Creating custom SGML DTDs for documentation products

Full text Pdf (717 KB)

Source **ACM Special Interest Group for Design of Communication** archive
Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs table of contents
Savannah, Georgia, United States
Pages: 189 - 196
Year of Publication: 1996
ISBN:0-89791-713-8

Authors Bradley C. Watson OCLC Online Computer Library Center, Inc.
Keith Shafer OCLC Online Computer Library Center, Inc.

Sponsor SIGDOC: ACM Special Interest Group for Design of Communications

Publisher ACM Press New York, NY, USA

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

2 Information Processing -- Text and Office Systems -- Standard Generalized Markup Language (S GML). International Organization for Standardization. Ref. No. iSO 8879:1986, 1986.

3 Electronic Manuscript Preparation and Markup. ANSI/NISO/iSO 12083, 1994.

4 John K. Ousterhout, Tcl and the Tk toolkit, Addison-Wesley Longman Publishing Co., Inc., Boston, MA, 1994

5 Keith Shafer. SGML Grammar Structure. In Annual Review of OCLC Research duly 1992-dune 1993, pages 39-40, 1994.

6 Keith Shafer. Fred: The SGML Grammar Builder. Fred's WWW home page. Accessible at URL:http ://www.oclc.org/fred/, 1994.

7 Keith Shafer and Roger Thompson. Introduction to Translating Tagged Text via the SGML Document Grannnar Builder Engine. Accessible at URL :http://www. oclc. org/fred/docs/translations/intro, html, 1995.

8 Larry Wall , Randal L. Schwartz, Programming perl, O'Reilly & Associates, Inc., Sebastopol, CA, 1991

↑ INDEX TERMS

Primary Classification:
I. Computing Methodologies
↳ **I.7** DOCUMENT AND TEXT PROCESSING

Additional Classification:
D. Software
↳ **D.2** SOFTWARE ENGINEERING
↳ **D.2.7** Distribution, Maintenance, and Enhancement
↳ **Subjects:** Documentation

I. Computing Methodologies
↳ **I.7** DOCUMENT AND TEXT PROCESSING
↳ **I.7.1** Document and Text Editing
↳ **Subjects:** Languages**

General Terms:
Algorithms, Documentation, Economics, Languages, Standardization

↑ Collaborative Colleagues:

Keith Shafer:	Mohan Ahuja Jon Fausey Roger Thompson Diane Vizine-Goetz Bradley C. Watson
Bradley C. Watson:	Robert J. Davis Keith Shafer

↑ Peer to Peer - Readers of this Article have also read:

- Constructing reality **Proceedings of the 11th annual international conference on Systems documentation**
  Douglas A. Powell , Norman R. Ball , Mansel W. Griffiths

- Data structures for quadtree approximation and compression **Communications of the ACM** 28, 9
  Hanan Samet

- A hierarchical single-key-lock access control using the Chinese remainder theorem **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**
  Kim S. Lee , Huizhu Lu , D. D. Fisher

- An intelligent component database for behavioral synthesis **Proceedings of the 27th ACM/IEEE conference on Design automation**
  Gwo-Dong Chen , Daniel D. Gajski

- The GemStone object database management system **Communications of the ACM** 34, 10
  Paul Butterworth , Allen Otis , Jacob Stein

How practical is practical SGML?

Full text Pdf (461 KB)

Source **ACM SIGDOC Asterisk Journal of Computer Documentation** archive
Volume 20 , Issue 2 (May 1996) table of contents
Pages: 39 - 43
Year of Publication: 1996
ISSN:0731-1001

Author Robert J. Glushko Passage Systems, Inc.

Publisher ACM Press New York, NY, USA

↑ INDEX TERMS

Primary Classification:
I. Computing Methodologies
↳ **I.7** DOCUMENT AND TEXT PROCESSING
↳ **I.7.2** Document Preparation
↳ **Nouns:** SGML

Additional Classification:
D. Software
↳ **D.2** SOFTWARE ENGINEERING
↳ **D.2.7** Distribution, Maintenance, and Enhancement
↳ **Subjects:** Documentation

General Terms:
Design, Documentation, Languages, Performance, Theory

↑ Collaborative Colleagues:

Robert J. Glushko: Michel Denber
Kaj Grønbæk
Miriam Grace
Ken Kershner
Tim McGrath

Bart Meltzer
Pamela Samuelson
Jay M. Tenenbaum
Ward Webber

↑ **Peer to Peer - Readers of this Article have also read:**

- Data structures for quadtree approximation and compression **Communications of the ACM** 28, 9
  Hanan Samet

- A hierarchical single-key-lock access control using the Chinese remainder theorem **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**
  Kim S. Lee , Huizhu Lu , D. D. Fisher

- The GemStone object database management system **Communications of the ACM** 34, 10
  Paul Butterworth , Allen Otis , Jacob Stein

- Putting innovation to work: adoption strategies for multimedia communication systems **Communications of the ACM** 34, 12
  Ellen Francik , Susan Ehrlich Rudman , Donna Cooper , Stephen Levine

- An intelligent component database for behavioral synthesis **Proceedings of the 27th ACM/IEEE conference on Design automation**
  Gwo-Dong Chen , Daniel D. Gajski

Terms used **practical sgml** Found **630** of **198,617**

Sort results by: relevance
Display results: expanded form
Save results to a Binder
Search Tips
Open results in a new window

Try an Advanced Search
Try this search in The ACM Guide

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next
Best 200 shown Relevance scale

1 How practical is practical SGML?
Robert J. Glushko
May 1996 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 20 Issue 2
Publisher: ACM Press
Full text available: pdf(460.54 KB) Additional Information: full citation, index terms

2 Second commentary on practical SGML
William Schick
May 1996 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 20 Issue 2
Publisher: ACM Press
Full text available: pdf(150.40 KB) Additional Information: full citation, index terms

3 Book Reviews: Review of "Practical SGML" by Eric van Herwijnen. Kluwer Academic Publishers 1990.
Carol Van Ess-Dkema
March 1991 **Computational Linguistics**, Volume 17 Issue 1
Publisher: MIT Press
Full text available: pdf(471.73 KB) Publisher Site Additional Information: full citation, references

4 First commentary on practical SGML
Norman E. Smith
May 1996 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 20 Issue 2
Publisher: ACM Press
Full text available: pdf(212.39 KB) Additional Information: full citation, index terms

5 Practical SGML as an introduction to SGML
Lynne A. Price
May 1996 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 20 Issue 2

Publisher: ACM Press
Full text available: pdf(247.76 KB) Additional Information: full citation, index terms

6 Increasing access to information for the print disabled through electronic documents in SGML
B. Bauwens, J. Engelen, F. Evenepoel, C. Tobin, T. Wesley
October 1994 **Proceedings of the first annual ACM conference on Assistive technologies Assets '94**
Publisher: ACM Press
Full text available: pdf(618.71 KB) Additional Information: full citation, abstract, references, index terms

There is a growing conviction that the Standard Generalized Markup Language, SGML, can play an important role as an enabling technology to increase access to information for blind and partially sighted people. This paper reports on mechanisms that have been devised to build in accessibility into SGML encoded electronic documents, concentrating on the work done in the CAPS Consortium—Communication and Access to Information for People with Special Needs, a European Union funded project ...

7 Document reuse and semantics: Towards a semantics for XML markup
Allen Renear, David Dubin, C. M. Sperberg-McQueen
November 2002 **Proceedings of the 2002 ACM symposium on Document engineering DocEng '02**
Publisher: ACM Press
Full text available: pdf(72.89 KB) Additional Information: full citation, abstract, references, citings, index terms

Although XML Document Type Definitions provide a mechanism for specifying, in machine-readable form, the syntax of an XML markup language, there is no comparable mechanism for specifying the *semantics* of an XML vocabulary. That is, there is no way to characterize the meaning of XML markup so that the facts and relationships represented by the occurrence of XML constructs can be explicitly, comprehensively, and mechanically identified. This has serious practical and theoretical consequence ...

Keywords: SGML, XML, knowledge representation, markup, semantics

8 SSQL: a semi-structured query language for SGML document retrievals
Lin-Ju Yeh, Hsiu-Hsen Yao, Yuan-Kuo Chen
October 1996 **Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle SIGDOC '96**
Publisher: ACM Press
Full text available: pdf(575.93 KB) Additional Information: full citation, citings, index terms

9 Using SGML as a basis for data-intensive NLP
David McKelvie, Chris Brew, Henry Thompson
March 1997 **Proceedings of the fifth conference on Applied natural language processing**
Publisher: Morgan Kaufmann Publishers Inc.
Full text available: pdf(792.46 KB) Publisher Site Additional Information: full citation, abstract, references, citings

This paper describes the LT NSL system (McKelvie et al, 1996), an architecture for writing corpus processing tools. This system is then compared with two other systems which address similar issues, the GATE system (Cunningham et al, 1995) and the IMS Corpus Workbench (Christ, 1994). In particular we address the advantages and disadvantages of an SGML approach compared with a non-SGML database approach.

10 SST: using single-sourcing, SGML, and teamwork for documentation

Carl Stieren
October 1999 **Proceedings of the 17th annual international conference on Computer documentation SIGDOC '99**
Publisher: ACM Press
Full text available: pdf(784.56 KB) Additional Information: full citation, abstract, references, index terms

Suppose you don't have a fancy database-driven system to generate your documentation. How can you develop single-source documentation for output in multiple formats, without having to store your source in a specific format that will soon become obsolete? The answer is to use a combination of your own SGML or XML tags to mark up your documentation and a simple OmniMark® program to create each output format and presentation style. There's also a third ingredient: teamwork. As much as any ...

Keywords: HTML, SGML, XML, print, single-source, teamwork

11 Infrastructure management as cooperative work: implications for systems design

Robert J. Sandusky
November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work: the integration challenge GROUP '97**
Publisher: ACM Press
Full text available: pdf(1.43 MB) Additional Information: full citation, references, citings, index terms

Keywords: CSCW, boundary objects, communities of practice, distributed supervisory control, information compounds, real-time supervisory control

12 Evolution of an SGML application generator

Lynne A. Price, Joe Schneider
January 2000 **Proceedings of the ACM conference on Document processing systems DOCPROCS '88**
Publisher: ACM Press
Full text available: pdf(724.64 KB) Additional Information: full citation, references, citings, index terms

13 Text-hypertext mutual conversion and hypertext interchange through SGML

Min Zheng, Roy Rada
December 1993 **Proceedings of the second international conference on Information and knowledge management CIKM '93**
Publisher: ACM Press
Full text available: pdf(958.14 KB) Additional Information: full citation, references, index terms

14 Creating custom SGML DTDs for documentation products

Bradley C. Watson, Keith Shafer
February 1996 **Proceedings of the 13th annual international conference on Systems**

documentation: emerging from chaos: solutions for the growing complexity of our jobs SIGDOC '95

Publisher: ACM Press

Full text available: pdf(717.09 KB) Additional Information: full citation, references, index terms

15 XML: not a silver bullet, but a great pipe wrench

Tommie Usdin, Tony Graham

September 1998 **StandardView**, Volume 6 Issue 3

Publisher: ACM Press

Full text available: pdf(86.79 KB) Additional Information: full citation, citings, index terms, review

16 Structured document storage and refined declarative and navigational access mechanisms in HyperStorM

Klemens Böhm, Karl Aberer, Erich J. Neuhold, Xiaoya Yang

November 1997 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 6 Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available: pdf(184.18 KB) Additional Information: full citation, abstract, citings, index terms

The combination of SGML and database technology allows to refine both declarative and navigational access mechanisms for structured document collection: with regard to declarative access, the user can formulate complex information needs without knowing a query language, the respective document type definition (DTD) or the underlying modelling. Navigational access is eased by hyperlink-rendition mechanisms going beyond plain link-integrity checking. With our approach, the database-internal repres ...

Keywords: Document query languages, Navigation, OODBMSs, SGML

17 A new tool for SGML with applications for the World Wide Web

R. W. Matzen, G. E. Hedrick

February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing SAC '98**

Publisher: ACM Press

Full text available: pdf(848.66 KB) Additional Information: full citation, references, citings, index terms

Keywords: DTD, HTML, SGML, WWW, exceptions

18 System descriptions: MITRE-Bedford: description of the ALEMBIC system as used for MUC-4

John Aberdeen, John Burger, Dennis Connolly, Susan Roberts, Marc Vilain

June 1992 **Proceedings of the 4th conference on Message understanding MUC4 '92**

Publisher: Association for Computational Linguistics

Full text available: pdf(566.09 KB) Additional Information: full citation, abstract, references, citings

The ALEMBIC text understanding system fielded at MUC-4 by MITRE-Bedford is primarily based on natural language techniques. ALEMBIC is a research prototype that is intended to explore several major areas of investigation:• Error recovery, involving primarily issues of semi-parsing and recovery of plausible attachments.• Robustness, involving primarily issues of uncertain reasoning and tractable inference.• Self-extensibility, focusing

primarily on machine learning of natural langua ...

19 Computational linguistics: Fax: an alternative to SGML
Kenneth W. Church, William A. Gale, Jonathan I. Helfman, David D. Lewis
August 1994 **Proceedings of the 15th conference on Computational linguistics - Volume 1**
Publisher: Association for Computational Linguistics
Full text available: pdf(374.56 KB) Additional Information: full citation, references, citings

20 Third commentary on "What is text really?"
R. Stanley Dicks
August 1997 **ACM SIGDOC Asterisk Journal of Computer Documentation**, Volume 21 Issue 3
Publisher: ACM Press
Full text available: pdf(317.16 KB) Additional Information: full citation, index terms

Results 1 - 20 of 200 Result page: **1** 2 3 4 5 6 7 8 9 10 next

Practical SGML as an introduction to SGML

Full text Pdf (248 KB)

Source **ACM SIGDOC Asterisk Journal of Computer Documentation** archive
Volume 20 , Issue 2 (May 1996) table of contents
Pages: 36 - 38
Year of Publication: 1996
ISSN:0731-1001

Author Lynne A. Price Text Structure Consulting

Publisher ACM Press New York, NY, USA

↑ INDEX TERMS

Primary Classification:
I. Computing Methodologies
↳ **I.7** DOCUMENT AND TEXT PROCESSING
↳ **I.7.2** Document Preparation
↳ **Nouns:** SGML

Additional Classification:
D. Software
↳ **D.2** SOFTWARE ENGINEERING
↳ **D.2.7** Distribution, Maintenance, and Enhancement
↳ **Subjects:** Documentation

General Terms:
Design, Documentation, Languages, Performance, Theory

↑ Collaborative Colleagues:

Lynne A. Price: Carlos A. Cordova
Nathan Relles
Joe Schneider

↑ Peer to Peer - Readers of this Article have also read:

- Data structures for quadtree approximation and compression **Communications of the ACM** 28, 9
  Hanan Samet

- A hierarchical single-key-lock access control using the Chinese remainder theorem **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**
  Kim S. Lee , Huizhu Lu , D. D. Fisher

- The GemStone object database management system **Communications of the ACM** 34, 10
  Paul Butterworth , Allen Otis , Jacob Stein

- Putting innovation to work: adoption strategies for multimedia communication systems **Communications of the ACM** 34, 12
  Ellen Francik , Susan Ehrlich Rudman , Donna Cooper , Stephen Levine

- An intelligent component database for behavioral synthesis **Proceedings of the 27th ACM/IEEE conference on Design automation**
  Gwo-Dong Chen , Daniel D. Gajski

SSQL: a semi-structured query language for SGML document retrievals

Full text Pdf (576 KB)

Source **ACM Special Interest Group for Design of Communication** archive
Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle table of contents
Research Triangle Park, North Carolina, United States
Pages: 221 - 228
Year of Publication: 1996
ISBN:0-89-791-799-5

Authors
Lin-Ju Yeh — Center for Humanities and Sciences, School of Health Sciences, Ibarki Prefectural University of Health Sciences, 4669-2 Ami-Machi, Inashiki-Gun Ibaraki 300-03, Japan
Hsiu-Hsen Yao — Department of Computer Engineering & Science, Yuan-Ze Institute of Technology, No. 135, Yuan Tung RD., Nei-Li, Chung-Li City, Tao Yuan Sheng, Taiwan
Yuan-Kuo Chen — Department of Computer Engineering & Science, Yuan-Ze Institute of Technology, No. 135, Yuan Tung RD., Nei-Li, Chung-Li City, Tao Yuan Sheng, Taiwan

Sponsor SIGDOC: ACM Special Interest Group for Design of Communications
Publisher ACM Press New York, NY, USA

↑ CITINGS

Reo-Jo Yamashita , Tetsuro Ito , Hsiu-Hsen Yao, ESSQL: an enhanced semi-structured query language for composite document retrievals, Proceedings of the 16th annual international conference on Computer documentation, p.120-126, September 24-26, 1998, Quebec, Quebec, Canada

↑ INDEX TERMS

Primary Classification:
I. Computing Methodologies
↳ **I.7** DOCUMENT AND TEXT PROCESSING
↳ **I.7.2** Document Preparation
↳ **Nouns:** SGML

Additional Classification:
H. Information Systems

- **H.2** DATABASE MANAGEMENT
  - **H.2.1** Logical Design
    - **Subjects:** Data models
  - **H.2.3** Languages
    - **Subjects:** Query languages
    - **Nouns:** SQL

General Terms:
Algorithms, Documentation, Languages, Theory

Collaborative Colleagues:

Yuan-Kuo Chen:	Hsiu-Hsen Yao Lin-Ju Yeh
Hsiu-Hsen Yao:	Yuan-Kuo Chen Gai-Tai Huang Tetsuro Ito Gultekin Ozsoyoglu Reo-Jo Yamashita Toyoko S. Yamashita Lin-Ju Yeh
Lin-Ju Yeh:	Yuan-Kuo Chen Hsiu-Hsen Yao

Peer to Peer - Readers of this Article have also read:

- Constructing reality **Proceedings of the 11th annual international conference on Systems documentation**
  Douglas A. Powell , Norman R. Ball , Mansel W. Griffiths

- Data structures for quadtree approximation and compression **Communications of the ACM** 28, 9
  Hanan Samet

- A hierarchical single-key-lock access control using the Chinese remainder theorem **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**
  Kim S. Lee , Huizhu Lu , D. D. Fisher

- An intelligent component database for behavioral synthesis **Proceedings of the 27th ACM/IEEE conference on Design automation**
  Gwo-Dong Chen , Daniel D. Gajski

- Putting innovation to work: adoption strategies for multimedia communication systems **Communications of the ACM** 34, 12
  Ellen Francik , Susan Ehrlich Rudman , Donna Cooper , Stephen Levine

Using SGML as a basis for data-intensive NLP

Full text Publisher Site Pdf (792 KB)

Source **Applied Natural Language Conferences** archive
Proceedings of the fifth conference on Applied natural language processing table of contents
Washington, DC
Pages: 229 - 236
Year of Publication: 1997

Authors David McKelvie University of Edinburgh, Edinburgh, Scotland
Chris Brew University of Edinburgh, Edinburgh, Scotland
Henry Thompson University of Edinburgh, Edinburgh, Scotland

Sponsor undetermined : undetermined

Publisher Morgan Kaufmann Publishers Inc. San Francisco, CA, USA

↑ ABSTRACT

This paper describes the LT NSL system (McKelvie et al, 1996), an architecture for writing corpus processing tools. This system is then compared with two other systems which address similar issues, the GATE system (Cunningham et al, 1995) and the IMS Corpus Workbench (Christ, 1994). In particular we address the advantages and disadvantages of an SGML approach compared with a non-SGML database approach.

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

1 A. H. Anderson, M. Bader, E. G. Bard, E. H. Boyle, G. M. Doherty, S. C. Garrod, S. D. Isard, J. C. Kowtko, J. M. McAllister, J. Miller, C. F. Sotillo, H. S. Thompson, and R. Weinert. The HCRC Map Task Corpus. Language and Speech, 34(4):351--366. 1991.

2 C. Brew and D. McKelvie. 1996. "Word-pair extraction for lexicography". In Proceedings of NeMLaP'96, pp 45--55, Ankara, Turkey.

3 G. Burnage and D. Dunlop. 1992. "Encoding the British National Corpus". In 13th International Conference on English Language research on computerised corpora, Nijmegen. Available at http://www.sil.org/sgml/bnc-encoding2.html See also http://info.ox.ac. uk/bnc/

4 J. Carletta, H. Fraser-Krauss and S. Garrod. 1996. "An Empirical Study of Innovation in Manufacturing Teams: a preliminary report". In Proceedings of the International Workshop on Communication Modelling (LAP-96), ed. J. L. G. Dietz, Springer-Verlag, Electronic Workshops in Computing Series.

5 O. Christ. 1994. "A modular and flexible architecture for an integrated corpus query system". In Proceedings of COMPLEX '94: 3rd Conference on Computational Lexicography and Text Research (Budapest, July 7--10, 1994), Budapest, Hungary. CMP-LG archive id 9408005

6 J. Clark. 1996 "SP: An SGML System Conforming to International Standard ISO 8879 - Standard Generalized Markup Language". Available from http://www.jclark.com/sp/index.htm.

7 H. Cunningham, Y. Wilks and R. J. Gaizauskas. 1996. "New Methods, Current Trends and Software Infrastructure for NLP". In Proceedings of the Second Conference on New Methods in Language Processing, pages 283--298, Ankara, Turkey, March.

8 H. Cunningham, R. Gaizauskas and Y. Wilks. 1995. "A General Architecture for Text Engineering (GATE) - a new approach to Language Engineering R&D". Technical Report, Dept of Computer Science, University of Sheffield. Available from http://www.dcs.shef.ac.uk/research/groups/nlp/gate/

9 R. Grishman. 1995. "TIPSTER Phase II Architecture Design Document Version 1.52". Technical Report, Dept. of Computer Science, New York University. Available at http://www.cs.nyu.edu/tipster

10 D. McKelvie, H. Thompson and S. Finch. 1996. "The Normalised SGML, Library LT NSL, version 1.4.6". Technical Report, Language Technology Group, University of Edinburgh. Available at http://www.itg.cs.ed.ac.uk/software/nsl

11 Andrei Mikheev , Steven Finch, Towards a workbench for acquisition of domain knowledge from natural language, Proceedings of the seventh conference on European chapter of the Association for Computational Linguistics, March 27-31, 1995, Dublin, Ireland

12 A. Mikheev and S. Finch. 1997. "A Workbench for Finding Structure in Texts". in these proceedings.

13 A. Mikheev and D. McKelvie. 1997. "Indexing SGML, files using LT NSL". Technical Report, Language Technology Group, University of Edinburgh.

14 R. Pito. 1994. "Tgrep Manual Page". Available from http://www.ldc.upenn.edu/ldc/online/treebank/man/

15 G. van Rossum. 1995. "Python Tutorial". Available from http://www.python.org/

16 C. M. Sperberg-Mcqueen , Tei Consortium , Lou Burnard, Guidelines for Electronic Text Encoding and Interchange: Volumes 1 and 2: P4, University Press of Virginia, 2003

17 R. Tobin and D. McKelvie. 1996. "The Python Interface to the Normalised SGML, Library (PythonNSL)". Technical Report, Language Technology Group, University of Edinburgh.

↑ CITINGS *2*

Andrei Mikheev , Steven Finch, A workbench for finding structure in texts, Proceedings of the fifth conference on Applied natural language processing, p.372-379, March 31-April 03, 1997, Washington, DC

Hamish Cunningham , Kevin Humphreys , Robert Gaizauskas , Yorick Wilks, Software infrastructure for natural language processing, Proceedings of the fifth conference on Applied natural language processing, p.237-244, March 31-April 03, 1997, Washington, DC

↑ Collaborative Colleagues:

Chris Brew:	Claire Grover Martin Jansche Mirella Lapata Suresh Manandhar David McKelvie Marc Moens Sabine Schulte im Walde Henry Thompson Henry S. Thompson Nathan Vaillette
David McKelvie:	Chris Brew Henry Thompson
Henry Thompson:	Chris Brew Gerald Gazdar Ewan Klein David McKelvie Geoffrey Pullum Mike Reape Ivan Sag

Structured document handling—a case for integrating databases and information retrieval

Full text Pdf (1.01 MB)

Source **Conference on Information and Knowledge Management** archive
Proceedings of the third international conference on Information and knowledge management table of contents
Gaithersburg, Maryland, United States
Pages: 147 - 154
Year of Publication: 1994
ISBN:0-89791-674-3

Authors Klemens Böhm GMD-IPSI, Dolivostraβe 15, 64293 Darmstadt, Germany
Adrian Müller GMD-IPSI, Dolivostraβe 15, 64293 Darmstadt, Germany
Erich Neuhold GMD-IPSI, Dolivostraβe 15, 64293 Darmstadt, Germany

Sponsors SIGIR: ACM Special Interest Group on Information Retrieval
NIST : National Institue of Standards & Technology
UMBC : U of MD Baltimore County
SIGART: ACM Special Interest Group on Artificial Intelligence

Publisher ACM Press New York, NY, USA

DOI Bookmark: Use this link to bookmark this Article: http://doi.acm.org/10.1145/191246.191271
What is a DOI?

↑ ABSTRACT

In this paper we discuss the structured multimedia documents that will be, or already are, to some degree the communication backbone of the so-called superhighways. It will be shown that storage and retrieval of such documents will best be handled by an integration of database and information retrieval technologies. We assume documents to be structured with the help of standards like SGML/HyTime and represented by the multitude of formats currently used for multimedia data.Starting with an approach based on object-oriented database technology we extend both their functionality on the cost models for query evaluation on one side with multimedia features and on the other with logic-based models of information retrieval to truly combine structure and content information about the documents in question.

↑ REFERENCES

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

ABH94 Karl Aberer, Klemens BShm, and Christoph Hiiser. The Prospects of Publishing Using Advanced Database Concepts, In Christoph H/iser, Wiebke MShr, and Vincent Quint, editors, Proceedings of Conference on Electronic Publishing, pages 469-480. John Wiley & Sons, Ltd., April 1994.

AF94 Karl Aberer , Gisela Fischer, Semantic Query Optimization for Methods in Object-Oriented Database Systems, Proceedings of the Eleventh International Conference on Data Engineering, p.70-79, March 06-10, 1995

AKF94 Karl Aberer, Wolfgang Klas, and Antonio Furtado. User-Oriented Query Modification in Metaclasses Systems. In Proceedings of CAiSE*9#, Lecture Notes in Computer Science. Springer Verlag, June 1994.

BA94 Klemens Böhm , Karl Aberer, Storing HyTime documents in an object-oriented databases, Proceedings of the third international conference on Information and knowledge management, p.26-33, November 29-December 02, 1994, Gaithersburg, Maryland, United States

BCCQ94 N.J. Belkin, P. Cantor, C. Cool, and R. Quatrain. Combining evidence for information retrieval. In Proceedings of TREC-2 (to appear), 1994.

BCK+94 G.E. Blake, M.P. Consens, P. Kilpel~inen, P.- A. Larson, T. Snider, and F.W. Tompa. Text / Relational Database Management Systems: Harmonizing SQL and SGML. In Proceedings o} the First international Conference on Applications of Databases, Lecture Notes in Computer Science. Springer Verlag, June 1994.

CACS94 V. Christophides , S. Abiteboul , S. Cluet , M. Scholl, From structured documents to novel query facilities, Proceedings of the 1994 ACM SIGMOD international conference on Management of data, p.313-324, May 24-27, 1994, Minneapolis, Minnesota, United States

Cal94 James P. Callan, Passage-level evidence in document retrieval, Proceedings of the 17th annual international ACM SIGIR conference on Research and development in information retrieval, p.302-310, July 03-06, 1994, Dublin, Ireland

Fuh93 Norbert Fuhr, A probabilistic relational model for the integration of IR and databases, Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval, p.309-317, June 27-July 01, 1993, Pittsburgh, Pennsylvania, United States

IH86 Tadao Ichikawa , Masahito Hirakawa, ARES: a relational database with the capability of performing flexible interpretation of queries, IEEE Transactions on Software Engineering, v.12 n.5, p.624-634, May 1986

ISO86 Information Processing- Text and Office Systems- Standardized Generalized Markup Language (SGML), 1986. International Organization for Standardization.

KAN93 Wolfgang Klas, Karl Aberer, and Erich Neuhold. Object-Oriented Modeling for Hypermedia Systems Using the VODAK Modeling Language (VML). In Object-Oriented Database Management Systems, N ATO ASI Series. Springer Verlag Berlin Heidelberg, August 1993.

KNA+93 W. Klas, E.J. Neuhold, K. Aberer, R. Bahlke, P. Fankhauser, G. Fischer, M. Kaul, P. Muth, T. Rakow, and V. Turau. VML- The VODAK Model Language Version 3.1. Technical report, GMD-IPSt, July 1993.

Mot88 Amihai Motro, VAGUE: a user interface to relational databases that permits vague queries, ACM Transactions on Information Systems (TOIS), v.6 n.3, p.187-214, July 1988

MT94 Adrian M filler and Ulrich Thiel. Query Expansion in an Abductive Information Retrieval System. In Proceedings of RIA 0 (to appear), October 1994.

RMF94 L. Rostek, W. MShr, and D. Fischer. Weaving a web: the structure and creation of an object network representing an electronic reference work. in Proceedings of EP'9#$ (to appear), April 1994.

Sch93 Peter Schäuble, SPIDER: a multiuser information retrieval system for semistructured and dynamic data, Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval, p.318-327, June 27-July 01, 1993, Pittsburgh, Pennsylvania, United States

vH94 Eric van Herwijnen, Practical SGML, Kluwer Academic Publishers, Norwell, MA, 1990

ZTSD91 Justin Zobel , James A. Thom , Ron Sacks-Davis, Efficiency of Nested Relational Document Database Systems, Proceedings of the 17th International Conference on Very Large Data Bases, p.91-102, September 03-06, 1991

↑ INDEX TERMS

Primary Classification:

H. Information Systems

↳ **H.3** INFORMATION STORAGE AND RETRIEVAL

Additional Classification:

H. Information Systems

↳ **H.2** DATABASE MANAGEMENT

↳ **H.2.1** Logical Design

↳ **Subjects:** Data models

↳ **H.5** INFORMATION INTERFACES AND PRESENTATION (I.7)

I. Computing Methodologies

↳ **I.7** DOCUMENT AND TEXT PROCESSING

General Terms:

Theory

↑ Collaborative Colleagues:

Klemens Böhm:	Karl Aberer	Michael Mlivoncic	Roger Weber
	Fuat Akal	Erich Neuhold	Xiaoya Yang
	Elisa Bertino	Erich J. Neuhold	
	Dunren Che	Erich J. Neuhold	
	Torsten Grabs	Jaroslav Pokorný	
	Matthias Jarke	Uwe Röhm	
	Keith G. Jeffery	Thomas C. Rakow	
	Christian S. Jensen	Simonas Saltenis	
	Wolfgang Klas	Hans-Jörg Schek	
	Adrian Müller	Marc Volz	
Adrian Müller:	Klemens Böhm		
	Erich Neuhold		
Erich Neuhold:	Klemens Böhm	Andreas Miiller	Andreas Wombacher

Peter Fankhauser	Yehoshua Perl	Vilas Wuwongse
Edward A. Fox	Pimrumpai Premsmit	Tatyana Yakhno
Ingo Frommholz	Wolfgang Putz	
James Geller	Amit Sheth	
Matthias Hemmje	Arnd Steinmetz	
Martin Leissler	Avare Stewart	
Adrian Müller	Rudi Studer	
Bendick Mahleko	Volker Turau	
Ashish Mehta	Patrick Wolf	

↑ **Peer to Peer - Readers of this Article have also read:**

- M⁴: a metamodel for data preprocessing **Proceedings of the 4th ACM international workshop on Data warehousing and OLAP**
  Anca Vaduva , Jörg-Uwe Kietz , Regina Zücker

- Data structures for quadtree approximation and compression **Communications of the ACM** 28, 9
  Hanan Samet

- A hierarchical single-key-lock access control using the Chinese remainder theorem **Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing**
  Kim S. Lee , Huizhu Lu , D. D. Fisher

- The GemStone object database management system **Communications of the ACM** 34, 10
  Paul Butterworth , Allen Otis , Jacob Stein

- Putting innovation to work: adoption strategies for multimedia communication systems **Communications of the ACM** 34, 12
  Ellen Francik , Susan Ehrlich Rudman , Donna Cooper , Stephen Levine